

Rabbit anti-Human NIPA Polyclonal Antibody | anti-NIPA antibody

NIPA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322572	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

NIPA; Polyclonal Antibody; NIPA Antibody; hNIPA; NIPA_HUMAN; Nuclear interacting partner of ALK; Nuclear interacting partner of anaplastic lymphoma kinase; Nuclear-interacting partner of ALK; Nuclear-interacting partner of anaplastic lymphoma kinase; zc3hc1; Zinc finger C3HC type containing 1; Zinc finger C3HC-type protein 1; anti-NIPA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	NIPA antibody detects endogenous levels of total NIPA
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	481
Applicable Applications for anti-NIPA antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NIPA
Subcellular Location	Nucleus.
Tissue Specificity	Widely expressed. Highly expressed in heart, skeletal muscle and testis. Expressed in brain, placenta, lung, kidney, liver, pancreas, spleen, thymus, prostate, ovary small intestine and colon. Weakly or not expressed in leukocytes.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (90%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322572 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis NIPA using HepG2 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-NIPA antibody	Function: Essential component of a SCF-type E3 ligase complex, SCF(NIPA), a complex that controls mitotic entry by mediating ubiquitination and subsequent degradation of cyclin B1 (CCNB1). Its cell-cycle-dependent phosphorylation regulates the assembly of the SCF(NIPA) complex, restricting CCNB1 ubiquitination activity to interphase. Its inactivation results in nuclear accumulation of CCNB1 in interphase and premature mitotic entry. May have an antiapoptotic role in NPM-ALK-mediated signaling events. Subunit Structure: Interacts with the NPM-ALK fusion protein in a tyrosine phosphorylation-dependent manner. Interacts with SKP1. Component of a SCF(NIPA) E3 complex with SKP1, RBX1 and CUL1 when not phosphorylated on Ser-354. Interacts with CCNB1. Post-translational Modifications: Phosphorylated. Phosphorylated on Ser residues at G2/M phase, but not during S and G0 phases. May also be weakly phosphorylated on Tyr residues. Ser-354 phosphorylation, a major site during the course of cell-cycle-dependent phosphorylation, results in its dissociation from the SCF(NIPA) complex, thereby preventing CCNB1 degradation leading to mitotic entry. Similarity: The F-box-like region is required for the interaction with SKP1.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	532524948
NCBI GeneID	51530
NCBI Accession #	NP_001269119.1
NCBI GenBank Nucleotide #	NM_001282190.1
UniProt Accession #	Q86WB0; Q75MF3; Q75MF4; Q8N330; Q96F75; Q9HA34; Q9NVX4; Q9P0R0; A6NH66
Molecular Weight	Observed: 55 kDa Predicted: 56 kDa
NCBI Official Full Name	nuclear-interacting partner of ALK isoform 2
NCBI Official Synonym Full Names	zinc finger C3HC-type containing 1
NCBI Official Symbol	ZC3HC1
NCBI Official Synonym Symbols	NIPA; HSPC216
NCBI Protein Information	nuclear-interacting partner of ALK
UniProt Protein Name	Nuclear-interacting partner of ALK
UniProt Gene Name	ZC3HC1
UniProt Synonym Gene Names	NIPA; hNIPA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.